

Abstract Submitted
for the APR16 Meeting of
The American Physical Society

SUSY Spectrum Calculator Effects on Dark Matter Observables

PAUL BERGERON, University of Utah — Due to questions like the dark matter and hierarchy problem, searches for physics beyond the Standard Model (SM) have not only moved beyond the simplest extensions but the LHC has offered the first tantalizing hints of a new particle at 750 GeV. But as we move into new regimes beyond the minimal extensions to the SM, we need to ask ourselves how accurate are our existing simulations of theory therein? In my talk I will explore the effects of different supersymmetric, spectrum calculators (e.g. ISAJET and SPheno) on predictions for dark matter and Higgs sector observables.

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Date submitted: 08 Jan 2016

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